

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

(COMPLETE IF KNOWN)

Application Number	
Filing Date	
Group Art Unit	
Examiner	

Attorney Docket Number	3815/141
First Named Inventor	IKEDA

This declaration is (check one):

- ☒ (X) submitted with initial filing;  
☐ ( ) submitted after initial filing;  
☐ ( ) a supplemental declaration.

This application is of the following type:

- ☒ (X) utility;  
☐ ( ) design;  
☐ ( ) national stage of PCT;  
☐ ( ) divisional, continuation or continuation-in-part.

**As a below named inventor, I hereby declare that:**

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**MOBILE COMMUNICATION SYSTEM AND METHOD FOR CONTROLLING  
RECEIVING QUALITY**

the specification of which: (check one)

- ☒ (X) is attached hereto; or  
☐ ( ) was filed on \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_  
and is/was amended on \_\_\_\_\_ (if applicable);  
☐ ( ) was described and claimed in PCT International Application No. \_\_\_\_\_,  
filed on \_\_\_\_\_ and was amended under PCT Article 19 on \_\_\_\_\_  
(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby identify below, and where indicated claim foreign priority benefits under Title 35, United States Code §§ 119(a)-(d) or §§ 365(a)-(b) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America, filed within 12 months (6 months for design) prior to

this application, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) on which priority is claimed (if any):

Foreign/PCT Application Number	Country	Filing Date (MM/DD/YYYY)	Priority Claimed	
2000-347124	Japan	11/14/2000	(X) Yes	( ) No
			( ) Yes	( ) No
			( ) Yes	( ) No
			( ) Yes	( ) No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below (if any):

Provisional Application No.	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International Application designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S./PCT Parent Application No.	Filing Date	Status (Patented, Pending, or Abandoned)

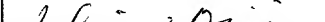
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Figure 1 consists of 12 histograms arranged in a single column. Each histogram represents the frequency distribution of the number of non-zero elements in the vector  $x$  for a specific value of  $n$ . The values of  $n$  are 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, and 120, labeled on the right side of each plot. The x-axis for all plots is the number of non-zero elements, ranging from 0 to 120. The y-axis represents the frequency, with scales varying between plots (e.g., 0 to 100 for  $n=10$ , 0 to 10 for  $n=120$ ). The distributions are unimodal and shift progressively to the right as  $n$  increases, with the peak frequency decreasing as  $n$  increases.

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(check one) Sheets containing additional joint inventors ( ) are, (X) are not attached hereto.